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We claim:

1. A method for conducting a plurality of electrochemiluminescence assays comprising the steps of:

(a) contacting a plurality of discrete binding domains with a sample containing one or a plurality of analytes of interest under assay conditions;

(b) causing one or more of said plurality of domains to electrochemiluminescence; and

(c) detecting electrochemiluminescence at a plurality of said binding domains.

2. The method of claim 1, wherein said plurality of binding domains includes binding domains having different binding specificities to provide for simultaneous binding of a plurality of different analytes of interest present in a sample.

3. An article comprising a plurality of discrete binding domains on a support, said binding domains having a relative spatial organization with respect to one another and having different binding specificities for binding a plurality of different analytes of interest in an electrochemiluminescence assay.

4. A cassette for use in the detection of an analyte in a sample by electrochemiluminescence comprising:

(a) a plurality of discrete binding domains on a support; and

(b) one or more pairs of electrodes and counterelectrodes.

5. A cassette as recited in claim 4 wherein said plurality of discrete binding domains forms at least one surface capable of binding a component of a binding electrochemiluminescence assay.

6. A cassette as recited in claim 4 wherein said plurality of binding domains includes binding domains having different binding specificities to provide for simultaneous binding of a plurality of different analytes of interest present in a sample.

7. A cassette as recited in claim 4 in which said discrete binding domains further comprise an internal control.